

Proceedings of the public hearing conducted on 27.04.2023 in connection with application filed by M/s National Fertilizers Limited Unit Nangal, Tehsil Nangal, District Rupnagar for expansion of the unit in the existing premises for manufacturing of Nano Urea @ 75 KLD in addition to the existing manufacturing capacity of the company.

The following were present to supervise the proceedings:

1. Smt. Harjot Kaur, PCS
Additional Deputy Commissioner (G),
District Rupnagar
2. Sh. Vijay Kumar
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Rupnagar
3. Sh. Harsimran Singh,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Rupnagar
4. Sh. Kuldeep Chand,
Block Level Extension Officer,
O/o General Manager, District Industries Centre,
SAS Nagar, Mohali.

Sh. Tajinder Kumar, Deputy Manager, M/s National Fertilizers Limited, Nangal Unit welcomed Additional Deputy Commissioner (G), Rupnagar, officers from Punjab Pollution Control Board and all the people who came from the adjoining villages to attend the public hearing for expansion of the unit in the existing premises for manufacturing of Nano Urea @ 75 KLD in addition to the existing manufacturing capacity of the company.

Thereafter, Assistant Environmental Engineer, Punjab Pollution Control Board, Regional Office, Rupnagar briefed people who came to attend the public hearing of this project for expansion of the unit in the existing premises of M/s National Fertilizers Limited, Nangal Unit, Tehsil Nangal, District Rupnagar. He apprised that an application has been filed by M/s National Fertilizers Limited, Unit Nangal, Tehsil Nangal, District Rupnagar with the MoEF&CC, New Delhi, Punjab for getting Environmental Clearance under EIA notification no. 1533 (E) dated 14.09.2006 to carry out expansion. The project is covered under the EIA notification no. S.O. 1533 (E) dated 14.09.2006 and thus is required to obtain Environmental Clearance from MoEF&CC, New Delhi. The Terms of Reference have been issued by MoEF&CC, New Delhi vide no. IA-J-11011/146/2012-IA-II (I) dated 03.08.2021. The project proponent had submitted draft EIA study report to the Punjab Pollution Control Board for conducting public hearing of the project as per the procedure laid down in the EIA notification dated 14.09.2006 and also apprised the public present there about the requirement of conducting the public hearing. The notice of public hearing was published in the leading newspaper namely 'Hindustan Times' & 'Punjabi Tribune' on 25.03.2023 to make the public aware of the date, time and venue of the public hearing.

Thereafter, Sh. Tajinder Kumar, Deputy Manager has requested the representative of the project proponent who is the Environmental Consultant of the industry to elaborate about the main feature of the project and the assessment of additional pollution load and mitigation measures thereof. Smt. Richa Gupta of M/s Mantec Consultants Pvt.Ltd., Environment Division, D-36, Sector-6, Noida-201 301, U.P., Environmental Consultant of the industry brought out the details of the expansion plan of the project before the public as under:

The industry is an existing unit located in an area about 500 acres in the revenue estate of Naya Nangal, District Rupnagar and is engaged in the manufacturing of Ammonia @ 950 MTD, Urea @ 1450 MTD, Nitric acid @ 554 MTD, Methanol @ 67 MTD & Ammonium Nitrate @ 690 MTD as products and Sodium Nitrite @ 9 MTD & Sodium Nitrate @ 6 MTD as by-products. Now, the industry has proposed to expand its unit in the existing premises for manufacturing of Nano Urea @ 75 KLD in addition to the existing manufacturing capacity of the industry.

The industry is having existing requirement of water as 74,400 KLD which will be increased by 85 KLD thus making the total requirement as 74,485 KLD from river Sutlej. The industry is a Zero Liquid Discharge (ZLD) unit as far as water pollution is concerned as the effluent is used back into the process after treatment. The wastewater in the existing setup is only from boiler blow-down, DM plant regeneration, ammonia hydrolysis, urea plant and nitric acid plant. The industry is having existing ETP for the treatment of wastewater being generated. The existing ETP is having thermal hydrolysis along with neutralization-cum-pH balancing plant. The industry reuses 100% treated wastewater in Steam Generation Plant for wet conveying of ash generation in Steam Generation Plant to ash pond. The additional consumption of 85 KLD of fresh water will be mainly from the Reactor Wash/ Floor wash and a Separate Effluent Treatment System (ETS) of capacity 1 KLD cum neutralization tank will be installed in Nano Urea Plant for Zero Liquid Discharge. Therefore, the additional generation of wastewater will only be from the Reactor Wash/ Floor wash etc. Similarly, wastewater generation from the domestic sources will be taken care of in the existing STP of MC Nangal having sufficient capacity to take care of the extra load of 10 KLD.

With the existing coal & natural gas fired boilers, the industry has install Electrostatic Precipitators (ESPs) as Air Pollution Control Devices (APCDs) and 02 stage Alkali scrubbers with the Nitric Acid plant. The industry has proposed suitable mitigation measures to control air pollution. With the proposed expansion of Nano Urea plant, due to endothermic nature of formulation reaction of Nano-Urea and production of stable Nano fertilizer, there will be no such air emissions.

The project cost of the industry is 1876.34 cr. (existing), the proposed expansion will cost Rs. 257 cr., thus the total investment after expansion will be Rs. 2133.34 cr.

The total plantation area in the existing unit is 33% of the area of M/s NFL and there will be no change in the total area of the project with the proposed

expansion. The industry has proposed to increase the green area to 33.3% of area under green belt. Hence, sufficient area under green belt has been ear-marked.

Thereafter, Assistant Environmental Engineer brought into the notice of public present at the venue of the hearing that as per the provisions of EIA notification dated 14.09.2006, the persons present at the venue may seek any information or clarification on the project from the industry. It was also brought into the notice of the public present there that information or clarifications sought by them and reply given by the project proponent will be recorded in the proceedings of the hearing in toto which will be sent to the ministry of the Environment, Forest Climate Change Govt. of India, New Delhi for further consideration and requested the persons present in the hearing to seek information or clarification one by one.


There upon, the details of the information/clarification sought by the persons present at the venue of hearing and the reply given by the industry is as under:

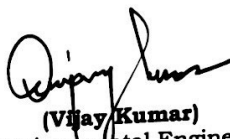
Sr. no.	Name & Address of the person	Details of query/ statement/information/ clarification sought by the person	Reply of the query/ statement/information/ clarification given by the project proponent
1.	Sh. Jaswinder Singh S/o Sh. Sohan Singh, Village Raipur Sahorra, Una, Himachal Pradesh	Will this proposed Nano urea replace the urea being used nowadays?	No, the Nano urea will not completely replace the urea that is currently used as the Nano urea being in liquid form will only be used after some growth of the crop. The main absorption mechanism of the Nano urea is through leaves and therefore, will be used along with the already existing crystal urea.
2.	Sh. Gurdev Chadha, Sarpanch of Village Kulgran, Tehsil Nangal, Rupnagar	The urea is not easily available to the farmers during the peak demand of urea although being manufactured in the near vicinity of our villages, there should be a local sale point so as to address the problem of urea availability in nearby villagers.	The proposal for opening the sale outlet for nearby farmers has been discussed with the management of the industry and the problem regarding shortage of urea will be solved shortly.
		Will the wastewater generated from the process with the proposed expansion of Nano Urea plant be discharged into	There will be very little wastewater generation from the proposed expansion of Nano Urea plant and the

	the river Sutlej and endanger the lives of farmers?	wastewater generated will be treated in a separate Effluent Treatment System and thus, there will no discharge of any kind of wastewater into the river Sutlej.
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Thereafter, Sh. Tajinder Kumar, Deputy Manager, M/s NFL asked to people present in the public hearing to raise their hands who are not in the favor of this expansion of the project and no one raised their hands against the expansion of the existing project. Again, Sh. Tajinder Kumar asked people to raise hands who are in the favor of this expansion; the entire public around 300 people raised their hands in the favor of the proposed project expansion. The entire process was video recorded.

The public hearing ended with vote of thanks to the chair.


(Harsharan Singh)
 Asstt. Environmental Engineer,
 Punjab Pollution Control Board
 Regional Office, Rupnagar


(Vijay Kumar)
 Environmental Engineer
 Punjab Pollution Control Board
 Regional Office, Rupnagar


(Kuldeep Chand, BLEO)
 O/o General Manager, DIC
 SAS Nagar


(Harjot Kaur, PCS)
 Addl. Deputy Commissioner (G)
 District Rupnagar